

DAMAGE SURVEY REPORT (DSR)
Emergency Watershed Protection Program – Recovery

Section 1A

Date of Report: 02/17/2005

DSR Number: 019-05-061R Project Number: Central Parkway

NRCS Entry Only

Eligible: YES ☒ NO ☐
Approved: YES ☒ NO ☐
Funding Priority Number (from Section 4) 1e
Limited Resource Area: YES ☐ NO ☒

Section 1B Sponsor Information

Sponsor Name: Gravity Drainage District 4, Calcasieu Parish

Address: 1204 Lakeshore Dr.

City/State/Zip: Lake Charles, LA 70601

Telephone Number: (337)436-6936 Fax: (337)433-9883

Section 1C Site Location Information

County: Calcasieu State: Louisiana Congressional District: 7

Latitude: 30.18027 Longitude: 93.22486 Section: 19 Township: T10S Range: R8W

UTM Coordinates: _____ Drainage Name: Central Parkway Reach: 1300 feet

Damage Description: Debris in channel resulting from Hurricane Rita.

Section 1D Site Evaluation

All answers in this Section must be YES in order to be eligible for EWP assistance.

Site Eligibility	YES	NO	Remarks
Damage was a result of a natural disaster?*	X		
Recovery measures would be for runoff retardation or soil erosion prevention?*	X		
Threat to life and/or property?*	X		
Event caused a sudden impairment in the watershed?*	X		
Imminent threat was created by this event?*	X		
For structural repairs, not repaired twice within ten years?*	X		
Site Defensibility			
Economic, environmental, and social documentation adequate to warrant action? (Go to pages 3, 4, 5 and 6 ***)	X		
Proposed action technically viable? (Go to Page 9 ***)	X		

Have all the appropriate steps been taken to ensure that all segments of the affected population have been informed of the EWP program and its possible effects? YES X NO ☐

Comments: Local Gravity Drainage District has been consulted.

* Statutory

** Regulation

*** DSR Pages 3 through 6 and 9 are required to support the decisions recorded on this summary page. If additional space is needed on this or any other page in this form, add appropriate pages. 1 of 14

Approved 7/2005

DSR NO: 019-05-061R

Section 1E Proposed Action

Describe the preferred alternative from Findings: Section 5 A: Remove debris from channel accessing from the west side of the channel, and dispose of debris in approved landfill.

Total installation cost identified in this DSR: Section 3: \$ 29,219.00

Section 1F NRCS State Office Review and Approval

Reviewed By: _____

State EWP Program Manager

Date Reviewed: 2/27/06

Approved By: _____

State Conservationist

Date Approved: _____

PRIVACY ACT AND PUBLIC BURDEN STATEMENT

NOTE: The following statement is made in accordance with the Privacy Act of 1974, (5 U.S.C. 552a) and the Paperwork Reduction Act of 1995, as amended. The authority for requesting the following information is 7 CFR 624 (EWP) and Section 216 of the Flood Control Act of 1950, Public Law 81-516, 33 U.S.C. 701b-1; and Section 403 of the Agricultural Credit Act of 1978, Public Law 95-334, as amended by Section 382, of the Federal Agriculture Improvement and Reform Act of 1996, Public Law 104-127, 16 U.S.C. 2203. EWP, through local sponsors, provides emergency measures for runoff retardation and erosion control to areas where a sudden impairment of a watershed threatens life or property. The Secretary of Agriculture has delegated the administration of EWP to the Chief or NRCS on state, tribal and private lands.

Signing this form indicates the sponsor concurs and agrees to provide the regional cost-share to implement the EWP recovery measure(s) determined eligible by NRCS under the terms and conditions of the program authority. Failure to provide a signature will result in the applicant being unable to apply for or receive a grant the applicable program authorities. Once signed by the sponsor, this information may not be provided to other agencies. IRS, Department of Justice, or other State or Federal Law Enforcement agencies, and in response to a court or administrative tribunal.

The provisions of criminal and civil fraud statutes, including 18 U.S.C. 286, 287, 371, 641, 651, 1001; 15 U.S.C. 714m; and 31 U.S.C. 3729 may also be applicable to the information provided. According to the Paperwork Reduction Act of 1995, an agency may not conduct or sponsor, and a person is not required to respond to a collection of information unless it displays a valid OMB control number. The valid OMB control number for this information collection is 0578-0030. The time required to complete this information collection is estimated to average 117/1.96 minutes/hours per response, including the time for reviewing instructions, searching existing data sources, field reviews, gathering, designing, and maintaining the data needed, and completing and reviewing the collection information.

USDA NONDISCRIMINATION STATEMENT

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Persons with disabilities who require alternative means for communication of program information (Braille, large print, audiotape, etc.) should contact USDA's TARGET Center at (202) 720-2600 (voice and TDD). To file a complaint of discrimination write USDA, Director of Civil Rights, 1400 Independence Avenue, SW, Washington, DC 20250-9410 or call (800)795-3272 (voice) or (202)720-6382 (TDD). USDA is an equal opportunity provider and employer.

Civil Rights Statement of Assurance

The program or activities conducted under this agreement will be in compliance with the nondiscrimination provisions contained in the Titles VI and VII of the Civil Rights Act of 1964, as amended; the Civil Rights Restoration Act of 1987 (Public Law 100-259); and other nondiscrimination statutes: namely, Section 504 of the Rehabilitation Act of 1973, Title IX of the Amendments of 1972, the Age Discrimination Act of 1975, and the Americans with Disabilities Act of 1990. They will also be in accordance with regulations of the Secretary of Agriculture (7 CFR 15, 15a, and 15b), which provide that no person in the United States shall on the grounds of race, color, national origin, gender, religion, age or disability, be excluded from participation in, be denied the benefits of, or otherwise subjected to discrimination under any program or activity receiving Federal financial assistance from the U.S. Department of Agriculture or any agency thereof.

DSR NO: 019-05-061R

Section 2 Environmental Evaluation

2A Resource Concerns	2B Existing Condition	2C Alternatives and Effects		
		Proposed Action	No Action	Alternative
		Remove debris, accessing from west side of channel	Leave debris in channel	Remove debris, accessing within the channel and from west side of channel
2D Effects of Alternatives				
Soil				
Compaction	No compaction	Limited compaction caused by heavy equipment		Moderate compaction caused by heavy equipment
Bank erosion	10 ton/ac	Reduce erosion to 5 tons/ac	Erosion increases to 15 tons/ac	Reduce erosion to 5 tons/ac
Water				
Overall Stream Health	SVAP-1	SVAP-2	SVAP-1	SVAP-2
Air				
Particulate matter	No concern	May increase if dry conditions	No concern	May increase if dry conditions
Plant				
Riparian Area	Trees excessively damaged during storm	Remove damaged trees from riparian area to allow natural regeneration	Trees excessively damaged during storm	Remove damaged trees from riparian area to allow natural regeneration
Animal				
Migratory song birds	Damaged trees decrease suitable habitat	Remove damaged trees from riparian area to allow natural regeneration	Damaged trees decrease suitable habitat	Remove damaged trees from riparian area to allow natural regeneration
Other				
Aesthetics	Excess debris and bank erosion is unsightly	Removal of debris will allow for landscape improvements	Excess debris and bank erosion is unsightly	Removal of debris will allow for landscape improvements
Vectors/Disease	Debris in channel is reducing or stopping flow, creating stagnant pools	Removal of debris restores pre-storm flows to channel	Debris in channel is reducing or stopping flow, creating stagnant pools	Removal of debris restores pre-storm flows to channel

Section 2E Special Environmental Concerns

Resource Consideration	Existing Condition	Alternatives and Effects		
		Proposed Action	No Action	Alternative
Clean Water Act Waters of the U.S.	CWA jurisdiction	404 permit and Water Quality Certification may be needed	No permit required	404 permit and Water Quality Certification may be needed
Coastal Zone Management Areas	Not in coastal mgmt. zone	N/A	N/A	N/A
Coral Reefs	None affected	N/A	N/A	N/A
Cultural Resources	None noted on site – State level review requested	N/A	N/A	N/A
Endangered and Threatened Species	Listed species in Parish – none noted on site	FWS will be consulted if species found on site	N/A	FWS will be consulted if species found on site
Environmental Justice	N/A	N/A	N/A	N/A
Essential Fish Habitat	Project not in area of essential fish habitat	N/A	N/A	N/A
Fish and Wildlife Coordination	Project not proposing stream modification	Will consult 404 permit if issues arise during construction	N/A	Will consult 404 permit if issues arise during construction
Floodplain Management	Project is within 100 year floodplain	Project will restore flow in floodplain to pre-storm conditions	N/A	Project will restore flow in floodplain to pre-storm conditions
Invasive Species	Chinese tallow trees are noted on site	Project may slightly increase potential for increased growth	May increase in numbers due to open canopy	Project may slightly increase potential for increased growth
Migratory Birds	Area may provide habitat for neotropical migrants	Some habitat may be impacted by rem. of trees	Slight decrease in habitat quality over time	Some habitat may be impacted by rem. of trees
Natural Areas	No Natural Areas identified in project area	N/A	N/A	N/A
Prime and Unique Farmlands	Not in project area – area is residential development	N/A	N/A	N/A
Riparian Areas	Damaged trees have begun to degrade riparian area	May provide potential to restore riparian habitat	Damaged trees have begun to degrade riparian area	May provide potential to restore riparian habitat
Scenic Beauty	Damaged timber has reduced aesthetic beauty	Will provide potential to improve landscape	Damaged timber has reduced aesthetic beauty	Will provide potential to improve landscape
Wetlands	Impact to wetlands is not likely-area is heavily urban	N/A	N/A	N/A
Wild and Scenic Rivers	FOTG – none affected	N/A	N/A	N/A

DSR NO: 019-05-061R

Section 2F Economic

This section must be completed by each alternative considered (attach additional sheets as necessary).

	Future Damages (\$)	Damage Factor (%)	Near Term Damage Reduction
Properties Protected (Private)			
Number of Homes: 25	\$1, 832, 047.25	20	\$366, 409.45
Properties Protected (Public)			
Business Losses			
Number of Businesses: 3			
Gill Animal Hospital	\$104,458.41	.20	\$20,891.68
Printed Products	\$382,781.88	.20	\$76,556.38
Burger Stand	\$21,467.00	.20	\$4,293.40
Other			
Total Near Term Damage Reduction			\$468,150.91
Net Benefit (Total Near Term Damage Reduction minus Cost from Section 3)			\$438,931.91

Completed By: Joy Martin

Date: 02/17/2006

Section 2G Social Consideration

This section must be completed by each alternative considered (attach additional sheets as necessary).

	YES	NO	Remarks
Has there been a loss of life as a result of the watershed impairment?		X	
Is there the potential for loss of life due to damages from the watershed impairment?	X		Potential for falling trees and stream bank erosion in highly residential area.
Has access to a hospital or medical facility been impaired by watershed impairment?		X	
Has the community as a whole been adversely impacted by the watershed impairment (life and property ceases to operate in a normal capacity)		X	Additional storm events could increase impacts to community.
Is there a lack or has there been a reduction of public safety due to watershed impairment?	X		Potential for falling trees and stream bank erosion in highly residential area

Completed By: Brian BaiamonteDate: 02/21/2006

Section 2H Group Representation and Disability Information**This section is completed only for the preferred alternative selected.**

Group Representation	Number
American Indian/Alaska Native Female Hispanic	
American Indian/Alaska Native Female Non-Hispanic	
American Indian/Alaska Native Male Hispanic	
American Indian/Alaska Native Male Non-Hispanic	
Asian Female Hispanic	
Asian Female Non-Hispanic	
Asian Male Hispanic	
Asian Male Non-Hispanic	
Black or African American Female Hispanic	
Black or African American Female Non-Hispanic	
Black or African American Male Hispanic	
Black or African American Male Non-Hispanic	
Hawaiian Native/Pacific Islander Female Hispanic	
Hawaiian Native/Pacific Islander Female Non-Hispanic	
Hawaiian Native/Pacific Islander Male Hispanic	
Hawaiian Native/Pacific Islander Male Non-Hispanic	
White Female Hispanic	
White Female Non-Hispanic	29
White Male Hispanic	
White Male Non-Hispanic	29
Total Group	58

Census tract(s) Tract 10 Block, 3003Completed By: Joy Martin Date: 02/17/2006

Section 2I. Required consultation or coordination between the lead agency and/or the RFO and another governmental unit including tribes:

Easements, permissions, or permits:

Sponsor must secure easements/permission for access to and work along the channel on private lands.

CWA and water quality certification may be required as a result of grubbing of stumps.

Mitigation Description:

Work will be performed from west side of channel, and possible partial way from within the channel. Debris will be removed from the project area and disposed of in a proper manner. Removal of debris will minimize stagnant water in the channel. Work will be completed in a timely manner to reduce impacts on wildlife and residences.

Agencies, persons, and references consulted, or to be consulted:

U.S. Army Corps of Engineers, New Orleans District, Brian Breaux
LA DEQ
LDWF for consultation only

Section 3 Engineering Cost EstimateCompleted By: Jason KrollDate: 02/22/2006**This section must be completed by each alternative considered (attach additional sheets as necessary).**

Proposed Recovery Measure (including mitigation)	Quantity	Units	Unit Cost (\$)	Amount (\$)
Alternative # 1:				
Channel Obstruction Removal (Contracted Item)	1300	LF	\$14.63	\$19,019
Mobilization & Demobilization (Contracted Item)	1	LS	\$5,000	\$5000.00
Seeding, Sprigging, and Mulching (Contracted Item)	1	AC	\$200	\$200.00
Fence Replacement	1	LS	\$5,000	\$5,000
Total Installation Cost (Enter in Section 1F)\$				\$29,219

Unit Abbreviations:

AC Acre
 CY Cubic Yard
 EA Each
 HR Hour
 LF Linear Feet
 LS Lump Sum
 SF Square Feet
 SY Square Yard
 TN Ton
 Other (Specify)

Section 4 NRCS EWP Funding Priority

Complete the following section to compute the funding priority for the recovery measures in this application (see instructions on page 10).

Priority Ranking Criteria	Yes	No		Ranking Number Plus Modifier
1. Is this an exigency situation?	X			1-e
2. Is this a site where there is serious, but not immediate threat to human life?				
3. Is this a site where buildings, utilities, or other important infrastructure components are threatened?				
4. Is this site a funding priority established by the NRCS Chief?				
The following are modifiers for the above criteria			Modifier	
a. Will the proposed action or alternatives protect or conserve federally-listed threatened and endangered species or critical habitat?			N	
b. Will the proposed action or alternatives protect or conserve cultural sites listed on the National Register of Historic Places?			N	
c. Will the proposed action or alternatives protect or conserve prime or important farmland?			N	
d. Will the proposed action or alternatives protect or conserve existing wetlands?			N	
e. Will the proposed action or alternatives maintain or improve current water quality conditions?			Y	
f. Will the proposed action or alternatives protect or conserve unique habitat, including but not limited to, areas inhabited by State-listed species, fish and wildlife management area, or State identified sensitive habitats?			N	

Enter priority computation in Section 1A, NRCS Entry, Funding priority number.

Remarks:

Section 5A Findings

Finding: Indicate the preferred alternative from Section 2 (Enter to Section 1E):

I have considered the effects of the action and the alternatives on the Environmental Economic, Social; the Special Environmental Concerns; and the extraordinary circumstances (40 CFR 1508.27). I find for the reasons stated below, that the preferred alternative:

 X Has been sufficiently analyzed in the EWP PEIS (reference all that apply)
Chapter 5.2.2.1.2
Chapter _____
Chapter _____
Chapter _____
Chapter _____

 May require the preparation of an environmental assessment or environmental impact statement.
The action will be referred to the NRCS State Office on this date:

NRCS representative of the DSR team

Title: District Conservationist, Brian Baiamonte Date: 2/21/2006

Section 5B Comments:

Section 5C

Sponsor Concurrence: _____

Sponsor Representative

Michael L. Witten

Title: Superintendent

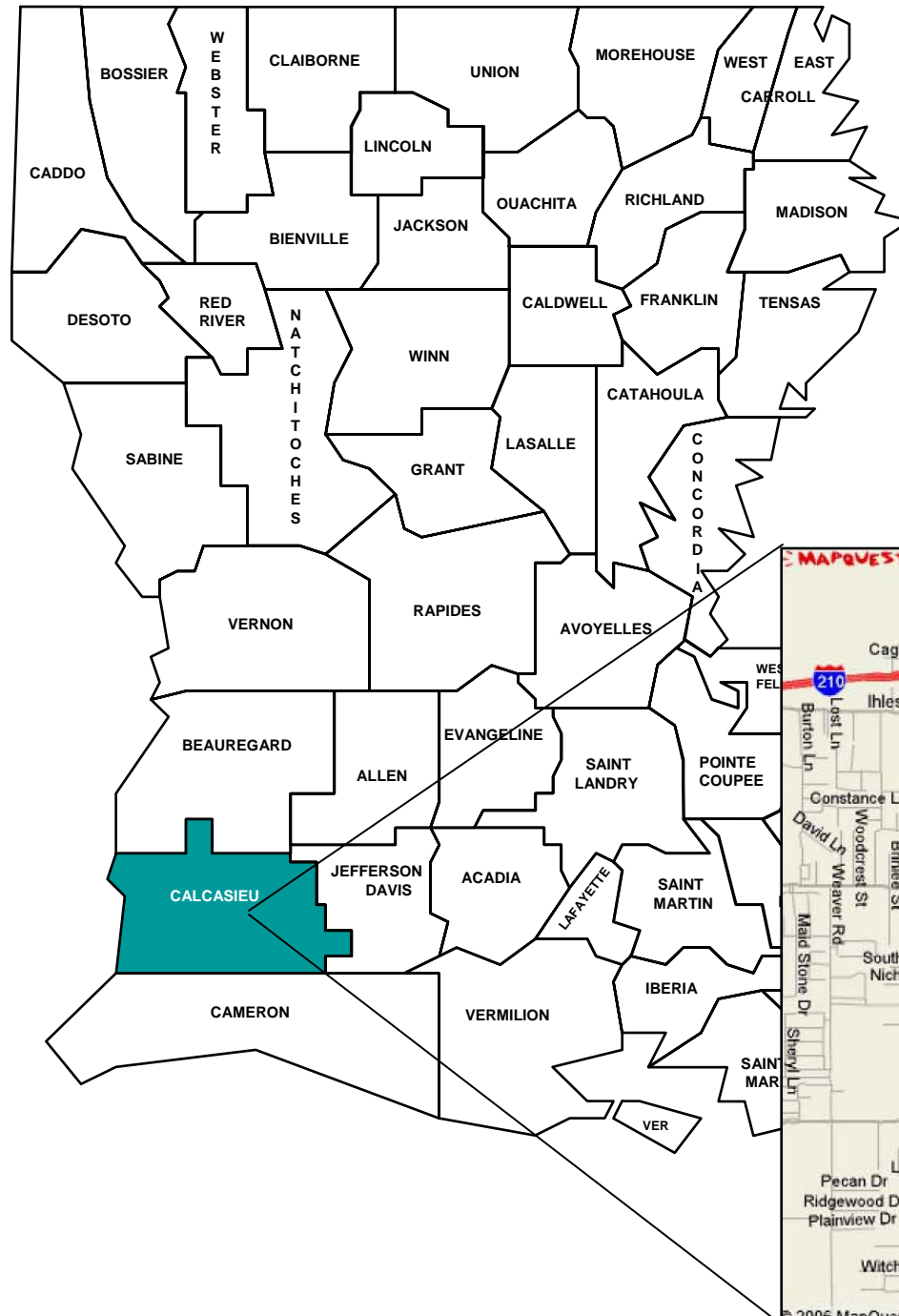
Date: 02/24/06

Section 6 Attachments:

- A. Location Map
- B. Site Plan or Sketches
- C. Other (explain)

SECTION 6

ATTACHMENTS

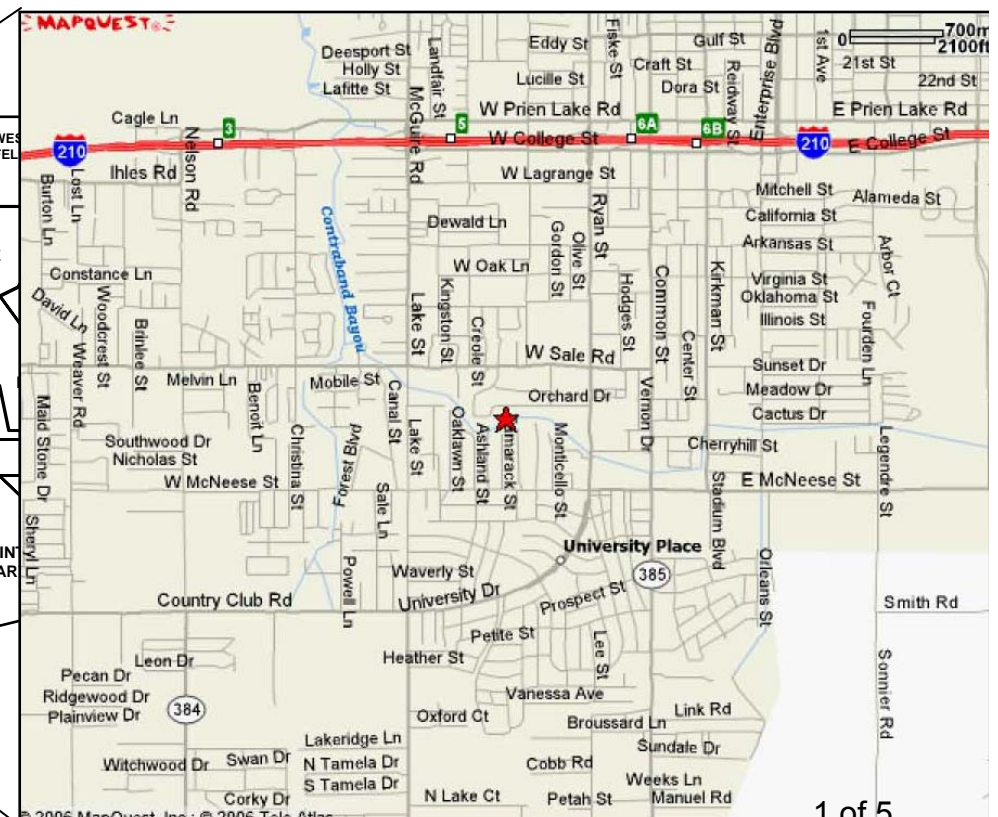


Vicinity Location Map

Calcasieu Parish

DSR# 019-05-061R

Central Parkway



SITE MAP
DSR 019-05-061R
CENTRAL PARKWAY
Calcasieu Parish



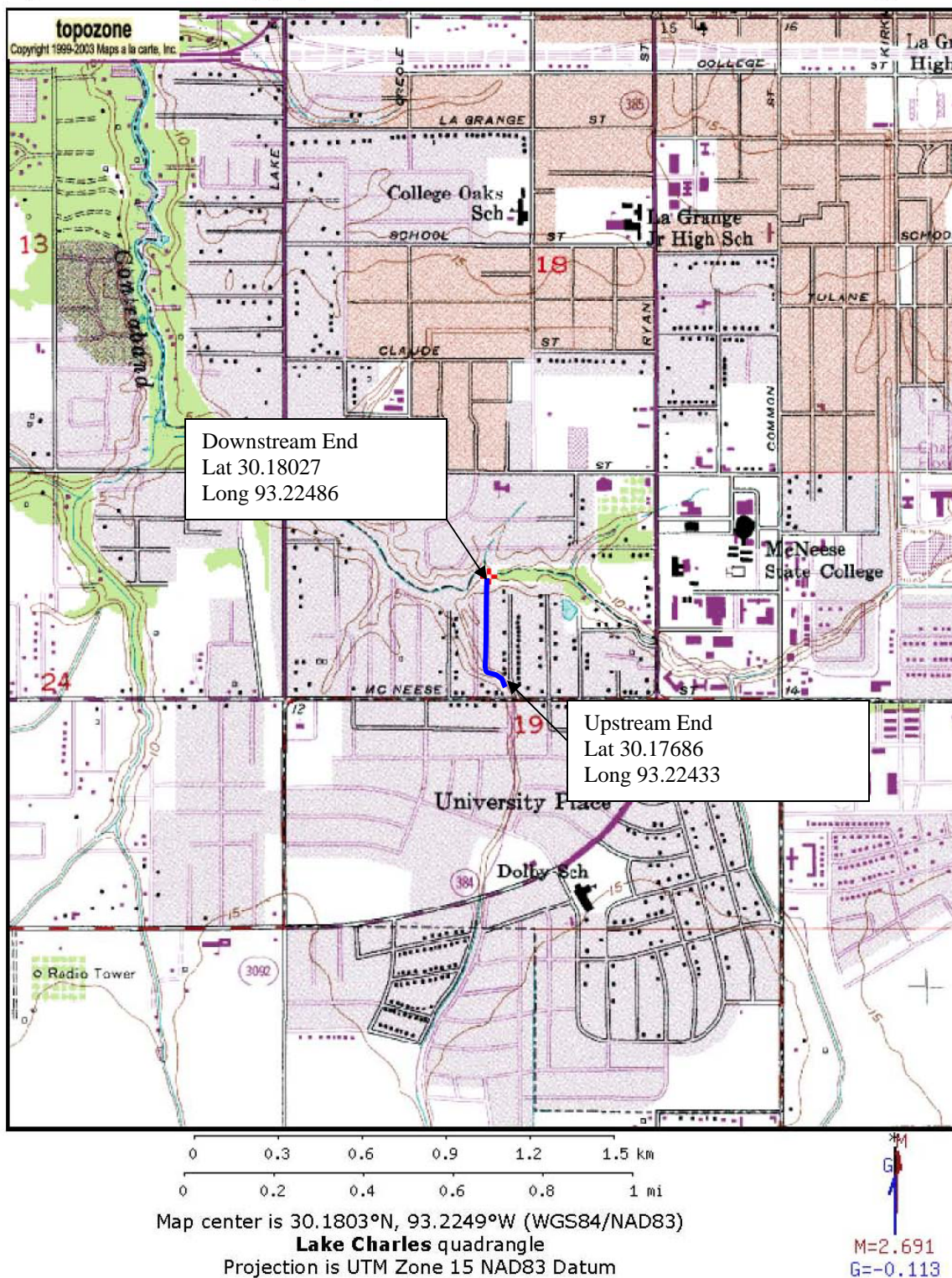
SITE MAP 2
DSR 019-05-061R
CENTRAL PARKWAY
Calcasieu Parish



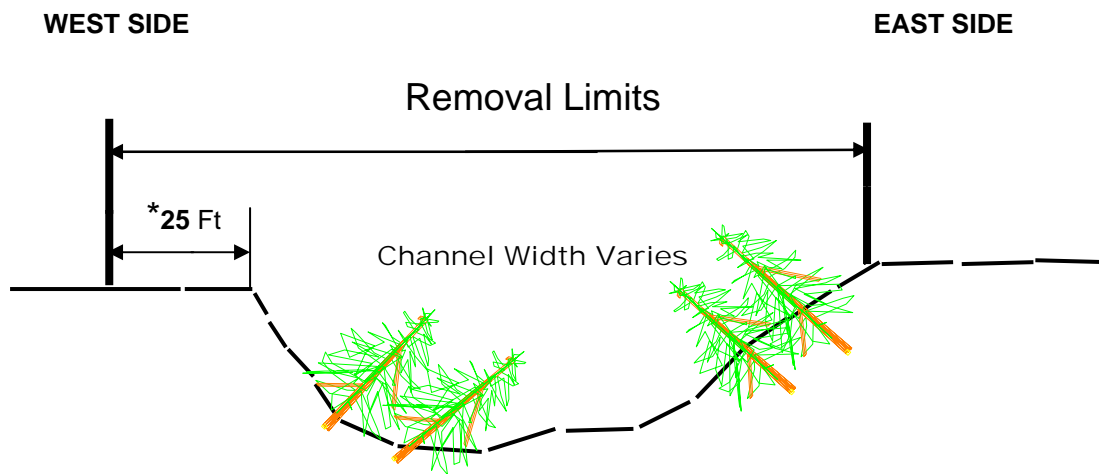
TOPO MAP
DSR 019-05-061R
Central Parkway
Calcasieu Parish

TopoZone - The Web's Topographic Map

Page 1 of 1



Debris Removal



Typical Section Not to Scale

Notice:
48 Hours Before Digging
Call 1-800-272-3020

***Note** :Access and work from west side only. All fences removed within the removal limits for access shall be replace with like kind by the contractor. All access routes shall be dressed and left free of tracks or ruts upon completion.

Exception it may be possible that trees which were located outside of the the removal limits may have fallen into the removal limits, the trees will be removed even if only a portion of the tree is within the removal limits

DSR No:		019-05-061R	Preferred Measure
Section 5 Engineering Cost Estimate Worksheet			
Parish:	Calcasieu		
Channel:	Central Parkway		
Location:	North of McNeese St. and just west of Sarver St. and east of Tamarack St. South of Contraband Bayou		
Completed By: Jason Kroll			Date: 22-Feb-06

Type of Work: Debris Removal

Location of Work:

Township(s)	Range(s)	Section(s)	Quadrangle(s)
T10S	R8W	19	Lake Charles

	Reach or Channel Seg		Reach or Channel Seg		Reach or Channel Seg	
	Latitude	Longitude	Latitude	Longitude	Latitude	Longitude
Downstream Start:	30.18027	93.22486				
Upstream End:	30.17686	93.22433				

Estimated Length of Work Segment (ft): 1,300 linear feet

Item No.	Proposed Recovery Measure	Quantity	Units	Unit Cost	Amount
1	Mobilization & Demobilization	1	LS	\$5,000.00	\$5,000
2	Channel Obstruction Removal	1,300	LF	\$14.63	\$19,019
3	Seeding, Sprigging and Mulching	1	AC	\$200.00	\$200
4	Fence Replacement	1	LS	\$5,000.00	\$5,000
5					\$0

Note: Estimated cost of debris removal includes equipment, labor, hauling, and disposal of material.

Total Estimated Construction Cost \$29,219

Performance Time:

Production Rate	Segment Length	Production Time	Contract Time
160 Ft/Day	1,300 Ft	8.13 Days	11 Days
		Plus	2 Days Move In

Estimated Cost of Equipment with Labor (Per Revised Costs by BAS 2-9-06)

Description of Work: Heavy with Complexities Cost per LF \$14.63

Estimated Cost of Seeding with Labor

Segment Length	Segment Width	No.of Segment	Acres	Cost per Ac	Total Cost
1,300 Ft.	25 Ft.	1	1	\$200	\$200

Comments:

Selected Alternative involves working from the west side of the channel with an access of 25 ft up to the top bank on the east side of the channel. There will be 2 access points: 1) Vacant lot at the end of Tamarack St. 2) Behind BBQ eatery off of McNeese St. Fences will have to be taken down and replaced in accordance to the specs as needed.

Channel Obstruction Evaluation

SITE INFORMATION			
Parish: <u>Calcasieu</u>	Site: <u>Central Parkway</u>		
City: <u>Lake Charles</u>			
Sponsor:	Reach:	From -	
Date: <u>2/15/06</u>		To -	
Evaluation Team: <u>JASON KROLL, JOY MARTIN</u>			

PHOTO NUMBERS AND BRIEF DESCRIPTION		WAYPOINTS	
Photo #	Description	(CIRCLE location and record in Decimal Degrees)	
		Start Work (D/S end)	N
		Midstream	
		End Work (U/S end)	W

NEARBY AND UPSTREAM STRUCTURES			
(Fill in Numbers, Values, and Size)			
CHURCHES		SCHOOLS	
No. of Churches	<u>0</u>	No. of Schools	<u>0</u>
HOMESITES		PUBLIC FACILITIES	
No. of Homesites	<u>40 homes</u>	No. of Public Facilities	<u>0</u>
Average Value of Homes (X \$1,000)	<u>85,000</u>	No. of Businesses	<u>4</u>
		Size of Businesses	(S) M L

STREAM CROSSINGS		
(CIRCLE type and write material, size and length)		
TYPE	MATERIAL	NUMBER, SIZE, & LENGTH
Bridge		
Culverts		
Other or None		

UTILITIES			
(CHECK the location of the utilities in the area and CIRCLE stream orientation)			
	Overhead (Power, Cable, etc.)	U/S	D/S
	Buried (Gas, Sewer, water, etc.)	U/S	D/S
	Elevated Cross channel (Water, Gas, etc.)	U/S	D/S
Remarks:			

CHANNEL CHARACTERISTICS				FLOW	
(CHECK appropriate box for slope and fill in dimensions information)					
SLOPES		DIMENSIONS		Is Water Flowing?	
<input checked="" type="checkbox"/>	1.5 : 1 or steeper	Top Width (ft.)	<u>20</u>	YES <u>extremely slow</u>	NO
<input type="checkbox"/>	1.5 : 1 through 3 : 1 Slope	Bottom Width (ft.)	<u>15</u>	Is debris accumulating? (i.e. Leaves, Trash)	
<input type="checkbox"/>	Flatter than 3 : 1	Depth (ft.)	<u>10</u>	(YES)	NO

STATEMENT OF PROBLEM					
(CHECK the boxes as needed, and CIRCLE the size of debris that applies)					
DEBRIS	IN CHANNEL	ACROSS CHANNEL	SIZE OF DEBRIS		
Pine Trees	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>			
Hardwoods	<input checked="" type="checkbox"/>				
Shrubs	<input checked="" type="checkbox"/>				
Other (explain)			BLOCKAGE		
			% of X-Section Obstructed:		
			Less than 25% <u>26%-50%</u>		
			51%-75% 76%-100%		

WORK METHOD AND LOCATION	
(CHECK the box that best applies)	
<input type="checkbox"/>	Within Channel Floating Equipment (i.e. Barge or Marsh Buggy)
<input type="checkbox"/>	Within Channel Non - Floating Equipment (Excavator/Track-hoe, Spider, etc)
<input type="checkbox"/>	From Top Banks

ACCESS TO SITE	
(Explain access issues and possible difficulties)	
No good access houses on both sides of channel. Would be access through property owners; fence entire length of channel. Steep banks. Possible access end of Tamarac street.	